

Product datasheet for **SC317849**

ONECUT2 (NM_004852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ONECUT2 (NM_004852) Human Untagged Clone
Tag:	Tag Free
Symbol:	ONECUT2
Synonyms:	OC-2; OC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004852, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGCTGCCTACACCGCCTATCGATGCCTACCAAAGACCTAGAAGGCTGCGCCATGAACCCGGAGC
TGACAATGGAAAGTCTGGGCACTTTGCACGGGCGCGCCGGCGGCGGCGAGTGGCGGGGGCGGCGGGGGG
CGGCGGGGGCGGCGGGGGGCCCGGGCCATGAGCAGGAGCTGCTGGCCAGCCCCAGCCCCACCACGCG
GGCCGCGGCGCCGCTGGCTCGTGCAGGGCCCTCCGCCGCTCCAACCGCGCACCCAGGAGCTGGGCACGG
CGGCAGCGGCGGAGCGGCGGCGTCCGCTCGGCCATGGTCACCAGCATGGCCTCGATCCTGGACGGCGG
CGACTACCGCCCCGAGCTCTCCATCCCCTGCACCAGCCATGAGCATGTCTGCGACTCGTCTCCGCT
GGCATGGGCATGAGCAACACCTACACCAGCTGACACCGCTCCAGCCGCTGCCACCCATCTCCACCGTGT
CTGACAAGTTCCACCACCTCACCCGCACCACCATCCGCACCACCACCACCACCACCACCAGCGCCT
GTCCGGCAACGTCAGCGGCAGCTTACCCTCATGCGCGACGAGCGGGCTCCCGGCCATGAACAACCTC
TACAGTCCCTACAAGGAGATGCCCGGCATGAGCCAGAGCCTGTCCCGCTGGCCGCCACGCGCTGGGCA
ACGGGCTAGGCGGCTCCACAACGCGCAGCAGAGTCTGCCAACTACGGTCCGCCGGGCCACGACAAAAT
GCTCAGCCCCAATTGACGCGCACCACTGCCATGCTGACCCGCGGTGAGCAACACCTGTCCCGCGG
CTGGGCACCCACCTGCGGCCATGATGTCGCACCTGACCGGCTGACCAACCCGGGCCACCACTCAGTCTC
ACGGGCCGGTGTGGCACCCAGTCGCGAGCGGCCACCTCGTCTCATCGGGCTCGCAGGTGGCCACGTC
GGGCCAGCTGGAAGAAATCAACACCAAAGAGGTGGCCAGCGCATCACAGCGGAGCTGAAGCGCTACAGT
ATCCCCAGCGATCTTTGCGCAGAGGGTGTGTGCCGGTCTCAGGGGACTCTCTCCGACCTGCTCCGGA
ATCCAAAACCGTGGAGTAAACTCAAATCTGGCAGGGAGACCTTCCGCAGGATGTGGAAGTGGCTTCAGGA
GCCCGAGTTCCAGCGCATGTCCGCTTACGCTGGCAGCGTGCAAACGCAAAGAGCAAGAACCAAACAAA
GACAGGAACAATCCAGAAGAAGTCCCGCTGGTGTACTGACCTCCAACGCCGAACACTCTTCGCCA
TCTTCAAGGAGAACAACGCCCGTCAAAGGAGATGCAGATCACCATTTCCAGCAGCTGGGCTGGAGCT
CACAACCGTCAGCAACTTCTTATGAACGCCCGCGCCGAGCCTGGAGAAGTGGCAAGACGATCTGAGC
ACAGGGGGCTCCTCGTCCACCTCCAGCAGTGTACCAAAGCATGA
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Restriction Sites:	Please inquire
ACCN:	NM_004852
Insert Size:	1500 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004852.2 , NP_004843.2
RefSeq Size:	16142 bp
RefSeq ORF:	1515 bp
Locus ID:	9480
UniProt ID:	O95948
Cytogenetics:	18q21.31
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the onecut family of transcription factors, which are characterized by a cut domain and an atypical homeodomain. The protein binds to specific DNA sequences and stimulates expression of target genes, including genes involved in melanocyte and hepatocyte differentiation. [provided by RefSeq, Jul 2008]